

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1	10/811233.app.	US-PGPU B; USPAT	OR	ON	2007/01/26 13:50
S2	44196	objective near3 lens	US-PGPU B; USPAT	OR	ON	2007/01/26 11:24
S3	1012	(light beam) near4 (shield\$4 block\$4) near6 ring	US-PGPU B; USPAT	OR	ON	2007/01/26 11:10
S4	26	S2 near10 S3	US-PGPU B; USPAT	OR	ON	2007/01/26 11:15
S5	297	rising near3 mirror	US-PGPU B; USPAT	OR	ON	2007/01/26 11:16
S6	80	S2 near10 S5	US-PGPU B; USPAT	OR	ON	2007/01/26 16:27
S7	1	S6 near10 ring	US-PGPU B; USPAT	OR	ON	2007/01/26 11:23
S8	2	(objective near3 lens) near10 (light beam) near4 (shield\$4 block\$4) near6 ring	EPO; JPO	OR	ON	2007/01/26 11:56
S9	7656	(shield\$4 block\$4 prevent\$4) near6 (stray peripheral extra) near4 (light beam)	US-PGPU B; USPAT; EPO; JPO	OR	ON	2007/01/26 12:00
S10	87	S9 near6 ring	US-PGPU B; USPAT; EPO; JPO	OR	ON	2007/01/30 17:44
S11	10	S10 near10 lens	US-PGPU B; USPAT	OR	ON	2007/01/26 11:58
S12	35	S9 near10 (objective near3 lens)	US-PGPU B; USPAT; EPO; JPO	OR	ON	2007/01/26 12:05
S13	5762779	(ring diaphragm circ\$5 film)	US-PGPU B; USPAT; EPO; JPO	OR	ON	2007/01/26 12:07

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S14	270941	(light beam stray peripheral) near4 (shield\$4 block\$4 prevent\$4)	US-PGPU B; USPAT; EPO; JPO	OR	ON	2007/01/26 12:07
S15	68338	objective near3 lens	US-PGPU B; USPAT; EPO; JPO	OR	ON	2007/01/26 12:07
S16	152	S13 near10 S14 near10 S15	US-PGPU B; USPAT; EPO; JPO	OR	ON	2007/01/26 14:11
S17	7	("5339123"   "5699201"   "6052233"   "6144500"   "6172944").PN. OR ("6356398").URPN.	US-PGPU B; USPAT; USOCR	OR	ON	2007/01/26 13:08
S18	7	("4738516"   "5491765"   "5680256"   "5936782"   "5974013").PN. OR ("6188528").URPN.	US-PGPU B; USPAT; USOCR	OR	ON	2007/01/26 13:09
S19	650	(369/112.23).CCLS.	US-PGPU B; USPAT; USOCR	OR	OFF	2007/01/26 13:50
S20	855	(369/118).CCLS.	US-PGPU B; USPAT; USOCR	OR	OFF	2007/01/26 13:51
S21	52	S19 and S20	US-PGPU B; USPAT	OR	ON	2007/01/26 13:51
S22	4	S6 near10 (ring aperture diaphragm)	US-PGPU B; USPAT	OR	ON	2007/01/26 13:59
S23	538978	lens	US-PGPU B; USPAT; EPO; JPO	OR	ON	2007/01/26 14:12
S24	27899	(peripheral stray) near4 light	US-PGPU B; USPAT; EPO; JPO	OR	ON	2007/01/26 14:12
S25	2859	S23 near8 S24	US-PGPU B; USPAT	OR	ON	2007/01/26 14:13

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S26	2643342	(cut adj out open\$4)	US-PGPU B; USPAT	OR	ON	2007/01/26 14:13
S27	88	S25 near10 S26	US-PGPU B; USPAT	OR	ON	2007/01/26 14:13
S28	55220	(shield\$4 block\$4) near4 (ring aperture diaphragm)	US-PGPU B; USPAT	OR	ON	2007/01/26 14:14
S29	1	S27 near10 S28	US-PGPU B; USPAT	OR	ON	2007/01/26 14:14
S30	1830	S2 near6 S26	US-PGPU B; USPAT	OR	ON	2007/01/26 14:14
S31	1	S30 near10 S5	US-PGPU B; USPAT	OR	ON	2007/01/26 15:05
S32	1444034	(ring seal gasket)	US-PGPU B; USPAT	OR	ON	2007/01/26 15:07
S33	44196	objective near3 lens	US-PGPU B; USPAT	OR	ON	2007/01/26 15:08
S34	944	S32 near6 S33	US-PGPU B; USPAT	OR	ON	2007/01/26 15:46
S35	29856	(stray peripheral extra) near4 (light beam)	US-PGPU B; USPAT	OR	ON	2007/01/26 15:46
S36	6	S34 near10 S35	US-PGPU B; USPAT	OR	ON	2007/01/26 15:49
S37	51	S32 near6 lens near10 S35	US-PGPU B; USPAT	OR	ON	2007/01/26 15:54
S38	2605	((369/112.23) or (369/118) or (369/44.15) or (369/44.14) or (369/44.16)).CCLS.	US-PGPU B; USPAT; USOCR	OR	OFF	2007/01/26 16:28
S39	11002	(ring aperture diaphragm) near10 (objective near3 lens)	US-PGPU B; USPAT	OR	ON	2007/01/26 16:28
S40	620	S38 and S39	US-PGPU B; USPAT	OR	ON	2007/01/26 16:29
S41	1243	((369/44.14) or (369/44.15) or (369/44.16)).CCLS.	US-PGPU B; USPAT; USOCR	OR	OFF	2007/01/26 16:30
S42	210	S41 and S39	US-PGPU B; USPAT	OR	ON	2007/01/26 16:38
S43	98154	light near4 (shield\$4 block\$4)	US-PGPU B; USPAT	OR	ON	2007/01/26 16:38

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S44	100	S43 and S41	US-PGPU B; USPAT	OR	ON	2007/01/26 16:39
S45	7576	S43 near10 lens	US-PGPU B; USPAT	OR	ON	2007/01/26 16:39
S46	34	S45 and S41	US-PGPU B; USPAT	OR	ON	2007/01/26 16:39
S47	6025	(cut near3 out gap) near4 lens	US-PGPU B; USPAT; EPO; JPO	OR	ON	2007/01/30 17:45
S48	177	S47 near4 (block\$4 shield\$4 seal\$4)	US-PGPU B; USPAT; EPO; JPO	OR	ON	2007/01/30 17:46
S49	4	S48 and "369".clas.	US-PGPU B; USPAT; EPO; JPO	OR	ON	2007/01/30 18:16
S50	68461	objective near3 lens	US-PGPU B; USPAT; EPO; JPO	OR	ON	2007/01/30 18:46
S51	11821	S50 near10 (diaphragm aperture)	US-PGPU B; USPAT; EPO; JPO	OR	ON	2007/01/30 18:18
S52	411	S51 near10 (coating film)	US-PGPU B; USPAT; EPO; JPO	OR	ON	2007/01/30 18:19
S53	116	S52 and "369".clas.	US-PGPU B; USPAT	OR	ON	2007/01/30 18:26
S54	3	"6188528"	US-PGPU B; USPAT	OR	ON	2007/01/30 18:29
S55	35	thin near4 (diaphragm aperture) near10 (objective near3 lens)	US-PGPU B; USPAT	OR	ON	2007/01/30 18:42
S56	2	10/333402.app.	US-PGPU B; USPAT	OR	ON	2007/01/30 18:42

## EAST Search History

S57	5	("20010028514"   "5936782"   "5949577"   "6215591").PN. OR ("6819491").URPN.	US-PGPU B; USPAT; USOCR	OR	ON	2007/01/30 18:44
S58	22	takahashi and hineno	US-PGPU B; USPAT; EPO; JPO	OR	ON	2007/01/30 18:47
S59	159672	(aperture near4 limit\$4 iris diaphragm)	US-PGPU B; USPAT	OR	ON	2007/01/30 18:49
S60	2077	S50 near10 S59	US-PGPU B; USPAT	OR	ON	2007/01/30 18:49
S61	402	S60 and "369".clas.	US-PGPU B; USPAT	OR	ON	2007/01/30 18:50